

SECTION 6 - MONITORING PROGRAM AND REPORTING PLAN

The following monitoring and reporting requirements become effective immediately. All monitoring and reporting activities shall be in accordance with the General Provisions for Monitoring and Reporting dated September 1, 1994, which are attached to the General Permit

A. MONITORING PROGRAM OBJECTIVES

- Ensure that storm water discharges, non-storm water discharges, and discharges associated with maintenance dredging are in compliance with the Discharge Prohibitions, Effluent Limitations, and Receiving Water Limitations specified in the General Permit.
- Ensure practices at the marina intended to reduce or prevent pollutants in surface water discharges, storm water discharges, and non-storm water discharges are evaluated and revised to meet changing conditions.
- Aid in the implementation and revision of the SWPPP.
- Measure the effectiveness of best management practices (BMPs) intended to reduce or prevent or pollutants in storm water discharges.

B. NON-STORM WATER DISCHARGE VISUAL OBSERVATIONS: MONTHLY OBSERVATIONS DURING MARINA OPERATING SEASON

TKM must perform monthly visual observations for non-storm water discharges:

- Monthly during each marina operating season
- During scheduled marina operating hours;
- Within each drainage area shown in Figure 3 (A through F);
- During daylight hours when no storm water discharges are occurring; and

The TKM observations shall be recorded on the Monthly Non-Storm Water Visual Observation Record form in Appendix A. The observation record shall indicate if any of the following is **present** and, if present, the **suspected source**: discolorations, stains, odors, floating materials, and other abnormal conditions.

If unauthorized non-storm water discharges are observed, then the Monthly Non-Storm Water Discharge Visual Observation Record shall also indicate the action taken to identify the source and eliminate the discharge.

C. STORM WATER DISCHARGE VISUAL OBSERVATIONS: FOUR OBSERVATIONS DURING MARINA OPERATING SEASON

TKM must perform observations of storm water discharges:

- Four storm events during each marina operating season;
- During scheduled marina operating hours;
- At each discharge point shown in Figure 3 (Discharge Points 001 through 006);
- During the first hour after the storm water discharge begins; and

However, storm water discharge observations are only required:

- During daylight hours and
- On days preceded by three working days of dry weather (with no wet weather on the intermediate non-working days).

Storm water discharge observations are not required during dangerous weather conditions.

The TKM observations shall be recorded on the Storm Water Visual Observation Record form in Appendix A. The observation record shall indicate if any of the following is **present** and, if present, the **suspected source**: floating and suspended materials, oil and grease, discolorations, turbidity, odor, and other abnormal conditions.

The TKM observations shall be recorded on the Monthly Non-Storm Water Visual Observation Record form in Appendix A. The observation record shall indicate if any of the following is **present** and, if present, the **suspected source**: stains, discolorations, odors, floating materials, engine coolant discharges, and other abnormal conditions.

If pollutants are noted, the source, and actions taken to reduce or prevent pollutants in the storm water discharge shall also be noted on the Storm Water Discharge Visual Observation Record form.

D. STORM WATER SAMPLING: TWO SETS OF SAMPLES DURING MARINA OPERATING SEASON

TKM must collect samples of storm water discharges:

- Two storm events that occur during each marina operating season;
- During the first hour after the storm discharge begins for:
 1. If possible, the first storm event which occurs after the marina reopens in the Spring of each year and
 2. At least one other storm event which occurs before the marina operating season ends in the Fall.

However, collection of storm water discharge samples is only required:

- During daylight hours; and
- On days preceded by three working days of dry weather (with no wet weather on the intermediate non-working days).

Storm water discharge sampling is not required during dangerous weather conditions.

Sample Locations And Method

Location

Samples shall be collected at Discharge Points 002, 004, 005, and 006. The Discharge Points to be sampled are described Table 6-1 and are shown in Figure 3. Samples collected at those locations are representative of all runoff from the industrial activities occurring at the marina, including runoff from the associated parking lot.

The storm water runoff at Discharge Points 001 and 003 (shown in Figure 3) does not have to be sampled since it will be substantially identical to the runoff that would be expected at Discharge Points 002 and 004. However, even though Discharge Points 001 and 003 will not be sampled, TKM must still perform visual observations at these locations to verify that storm runoff at these locations does not appear polluted.

It is possible that offsite runoff containing sediment from the unpaved areas located east of the TKM property may enter Drainage Areas A through E. If visual observations or collected samples show sediment in TKM runoff, the TKM inspector should check to verify that offsite runoff is the source. Since most of the TKM property is paved or developed, storm runoff from the TKM would not be expected to contain much sediment.

Table 6-1

Storm Water Sample Collection Locations

Discharge Point	Drainage Area	
	Designation	Description
002 (drain inlet)	B	Vehicle Parking
004 (drain inlet)	D	Boat Servicing, Waste Oil, Vehicle Parking
005 (pavement runoff)	E	Fuel Storage, Vehicle Parking
006 (discharge from detention basin)	F	Boat Storage

Constituents to be Monitored/Analytical Method

Method

All samples collected shall be grab samples.

Constituents

Constituents to be analyzed in storm water samples are listed on Table 6-2.

Analytical Method

The analytical methods used to determine the presence of the above listed constituents shall be the methods specified in Table 6-2. Each of the designated analytical methods is in accordance with the U.S. EPA approved test procedures listed in 40 CFR 136.

Table 6-2

Constituents to be Monitored in Storm Water Samples

Minimum Constituents	Analytical Method	Laboratory Reporting Limit	Number and Type of Container	Sample Volume	Sample Preservation	Maximum Hold Time Prior to Analysis
1	General					
a. pH	EPA 150.1	N.A.	1 Polyethylene	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis.	As Soon as Possible
b. Turbidity	EPA 180.1	0.1 turbidity units				48 hours
c. Specific Conductance (EC)	EPA 120.1	1 mmhos/cm				28 days
2	Total Nitrogen SM4500-NO3E and SM4500-NH3	0.10 mg/l	1 Polyethylene	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis. Sample container will already contain small amount of sulfuric acid preservative. *	28 days
3	Total Phosphorus SM4500-PE	0.008 mg/l	One Amber Glass Bottle	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis. Sample container will already contain small amount of hydrochloric acid preservative. *	28 days

Notes:

* The sampler shall be careful to prevent bodily contact with acid preservative in sample container.

NA Not applicable

Sample Volumes, Containers, Preservation, Delivery to Laboratory and Labeling

All sampling and sample preservation shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association). Samples shall be collected and delivered to the laboratory for analysis within 24 hours of sample collection.

The following grab samples shall be collected at each designated Discharge Point. Sample container, volume, preservation, and maximum hold time requirements are summarized in Table 6-2. All samples shall be properly preserved and delivered to the laboratory for analysis. Maximum hold times shall be observed by TKM and the laboratory.

1. Collect one 250 ml storm water sample in a polyethylene container to determine:

- a) pH
- b) Turbidity
- c) Specific Conductance (EC)

Sample Preservation: Cool to 4 degrees C.

2. Collect one 250 ml storm water sample in a polyethylene or equivalent container to determine Total Nitrogen

Sample Preservation: Cool to 4 degrees C and ship overnight to the laboratory (sulfuric acid shall be added to the container by the lab prior to sample collection).

3. Collect one 250 ml storm water sample in an amber bottle to determine Total Phosphorus.

Sample Preservation: Cool to 4 degrees C and ship overnight to the laboratory. (hydrochloric acid shall be added to the sample container by the lab prior to sample collection).

All samples shall be labeled identifying the date and time of sample collection, Discharge Point (sample location), type of analysis required, and initials of sample collector.

Chain of Custody

TKM employees shall complete and sign the Chain of Custody form provided by the analytical laboratory performing the analyses. The purpose of the form is to document sample collection, handling, and release of the samples to the laboratory.

Sample Analyses

All analyses must be conducted according to the analytical methods shown in Table 6-1.

All monitoring instruments and equipment shall be calibrated and maintained in accordance with the manufacturer's specifications to ensure accurate measurements.

All analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services.

E. MAINTENANCE DREDGING SAMPLING AND OBSERVATIONS

- 1) Prior to the start of dredging, TKM is required to
 - a) Collect background water samples from the area to be dredged and have the samples analyzed for the constituents shown in Table 6-3.

Table 6-3

Constituents to Be Determined in Samples Showing Background Water Quality

Constituent	Units	Reporting Limit (PQL)
Total Nitrogen (as N)	mg/l	0.1 mg/l
Phosphate (as P)	mg/l	0.008 mg/l
Total Iron	mg/l	0.01
Turbidity	NTU	0.1
Grease and Oil	mg/l	10

- b) Collect samples of sediment in the inner marina near the area to be dredged and have analyzed for:

Table 6-4

Constituents to Be Determined in Samples Showing Inner Marina Sediment Quality

Constituent	Units	Reporting Limit (PQL)
Total Petroleum Hydrocarbons (Gasoline)	mg/kg	0.5 mg/kg
Total Petroleum Hydrocarbons (Diesel)	mg/kg	1 mg/kg
Polycyclic Aromatic Hydrocarbons	mg/kg	0.2
Benzene, Toluene, E-benzene, and Xylenes	mg/kg	0.01

- 2 During dredging activities, TKM is required to perform continual visual observations of the containment structures and dredging equipment to ensure total containment of disturbed sediments and the absence of illegal discharges

If turbidity plumes are detected outside of the containment structures and/or petroleum sheens are detected outside protective oil barriers, the observations shall describe the immediate actions that were taken to correct the problem.

- 3 Prior to the removal of any in-lake containment structure, TKM must collect a composite water sample within the containment structure consisting of individual grab samples collected from three (3) locations within the containment area. The samples shall be analyzed for the constituents listed in Table 6-3.

The containment structure shall not remove any containment structure until TKM has received approval from the Regional Board Executive Officer based on the water sampling results.

- 4 The results from all required water and soil analyses shall be submitted to the Regional Board within thirty (30) days after the containment structure is removed.

F. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROGRAM

TKM employees are required to implement a QA/QC Program to assure:

1. All elements of the Monitoring Program are conducted; and
2. All monitoring is conducted by trained personnel.

The QA/QC Program shall consist of the following procedures:

1. Storm Water Monitoring Program Checklist

TKM employees shall use the Monitoring Program Checklist form and other forms in Appendix A to document all required elements of the Monitoring Program are completed. The forms can also be used to document reasons for TKM inability to perform required monitoring or reasons for any other noncompliance with monitoring requirements.

2. Annual Program Evaluation

The Annual Comprehensive Site Compliance Evaluation shall include:

- a. An evaluation of the effectiveness of the monitoring program in achieving the Monitoring Program Objectives (see Section 6.A. Monitoring Program Objectives).
- b. Discussions with TKM personnel regarding proper monitoring methods.

G. RECORDS

All storm water monitoring records and copies of all reports required by the General Permit shall be retained for a period of at least five (5) years from the date of the sample, observation, measurement, or report. The records shall include:

1. TKM Records
 - The individual(s) who performed the inspections, sampling, visual observations, and/or measurements (see forms in Appendix A);
 - Annual Comprehensive Site Compliance Evaluation results;
 - Storm water and non-storm water visual observation records, including the date, place, and time of inspections, sampling, and visual observations (see forms in Appendix A); and
 - The Storm Water Monitoring Program Checklist.
2. Laboratory Records
 - The date and results of the analysis;
 - The analytical techniques or methods used for the analysis.
 - Copies of chain of custody forms.
3. Annual Report
 - a. By November 15 of each year, each TKM must submit an annual report to the Lahontan Regional Water Quality Control Board.
 - b. The facility annual report shall include:
 - 1) A summary of visual observations and sampling results;
 - 2) A certification that, based on the annual comprehensive site compliance evaluation that, the facility is in compliance with the General Permit and SWPPP; and
 - 3) The documentation described in item c below (if appropriate).
 - c. If a TKM is unable to collect any of the required samples or perform visual observations due to adverse climatic conditions (drought, extended freeze, dangerous weather conditions, etc.), a description of why the sampling or visual observations could not be conducted must be included in the facility annual report.

The annual monitoring report shall be signed and certified in accordance with General

Provision for Monitoring and Reporting 3.d. in the General Permit.

4. Noncompliance Reports

If, in its facility annual report, a TKM cannot certify compliance with the General Permit and this SWPPP or has had other instances of noncompliance, the TKM must notify the Lahontan Regional Water Quality Control Board. The notifications shall identify the type(s) of noncompliance, describe the actions necessary to achieve compliance, and include a time schedule, subject to approval by the Regional Board, indicating when compliance will be achieved. Noncompliance notifications must be submitted within 30 days after the TKM has determined noncompliance.

APPENDIX A
STORM WATER MONITORING FORMS

TAHOE KEYS MARINA
STORM WATER DISCHARGE VISUAL OBSERVATION RECORD
(Four Events Per Operating Season)

Inspection Date: _____ Time Storm Water Discharge Began: _____

Time of Observation: _____ (must be within 1 hour after the discharge began)

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: _____

Were Any of the Following Observed?	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Discharge Point: _____

Were Any of the Following Observed?:	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Comments

Signed: _____

Inspector

TAHOE KEYS MARINA
MONTHLY NON-STORM WATER DISCHARGE VISUAL OBSERVATION RECORD

Date: _____ Time: _____

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: _____

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

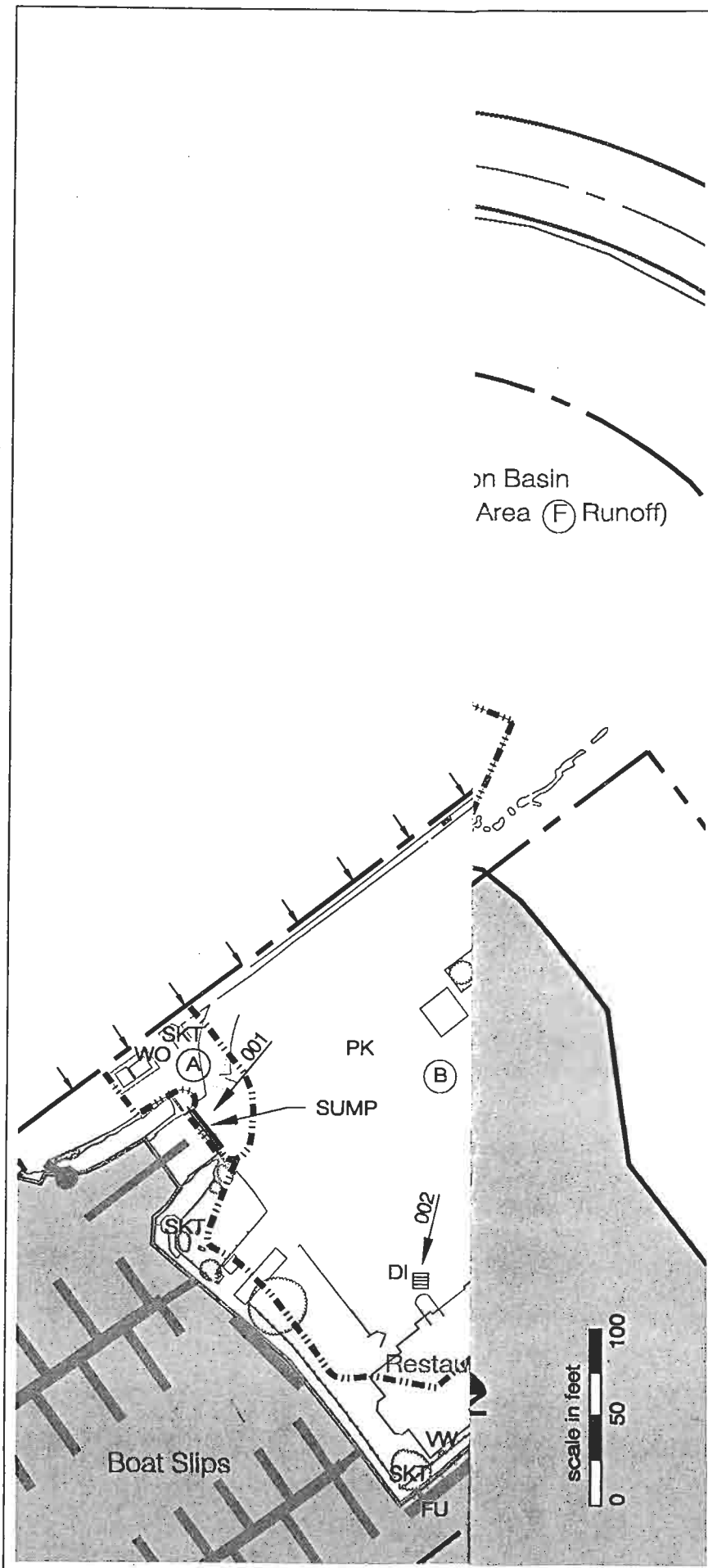
Discharge Point: _____

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

* Describe response taken to identify and eliminate the source of an unauthorized non-storm water discharge or prevent pollutant contact with authorized non-storm water discharge (e.g. landscape runoff)

Comments: _____

Signed: _____
 Inspector



TAHOE KEYS MARINA

STORM WATER POLLUTION PREVENTION PLAN SITE MAP

LEGEND

TKM FACILITY BOUNDARY	---
DRAINAGE AREA BOUNDARY	---
DRAINAGE AREA	(A)
DISCHARGE POINT	001
OFFSITE RUNOFF	↓ ↓ ↓
STORM DRAIN	--- SD ---
SANITARY SEWER	--- SS ---
AC PAVEMENT	PV
BERM	BRM
BOAT PAINTING	BP
BOAT SERVICING	BS
BOAT STORAGE	STO
BOAT WASHING	BW
CONCRETE	Conc.
DRAIN INLET	DI
FUEL DISPENSER	FU
FUEL STORAGE (above ground)	FU STO
PARKING	PK
SPILL KIT	SKT
VESSEL WASTE PUMPOUT FACILITY	VW
WASTE OIL STORAGE (above ground)	WO

**PARSONS
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SCIENCE, INC.**

SCALE: AS SHOWN

DATE: 8/24/2000

CHECKED BY: SH

W.O. 731126.00105

FIGURE

3

**STORM WATER
POLLUTION
PREVENTION PLAN
FACILITY MAP**

LEGEND

- | | |
|--|-------------------------------------|
| | TOTAL FACILITY BOUNDARY |
| | DRAINAGE AREA BOUNDARY |
| | DRAINAGE AREA |
| | DISCHARGE POINT |
| | DIRECTION OF FLOW |
| | STORM DRAIN |
| | BERM |
| | BOAT PAINTING |
| | BOAT SERVICING |
| | BOAT STORAGE |
| | BOAT WASHING |
| | DRAIN INLET |
| | FUEL DISPENSER |
| | FUEL STORAGE
(above ground) |
| | PARKING |
| | SPILL KIT |
| | VESSEL WASTE PUMP-OUT FACILITY |
| | WASTE OIL STORAGE
(below ground) |
| | SURFACE WATER |
| | IMPERVIOUS AREA |

**PARSONS
ENGINEERING
SCIENCE, INC.**

SCALE: AS SHOWN

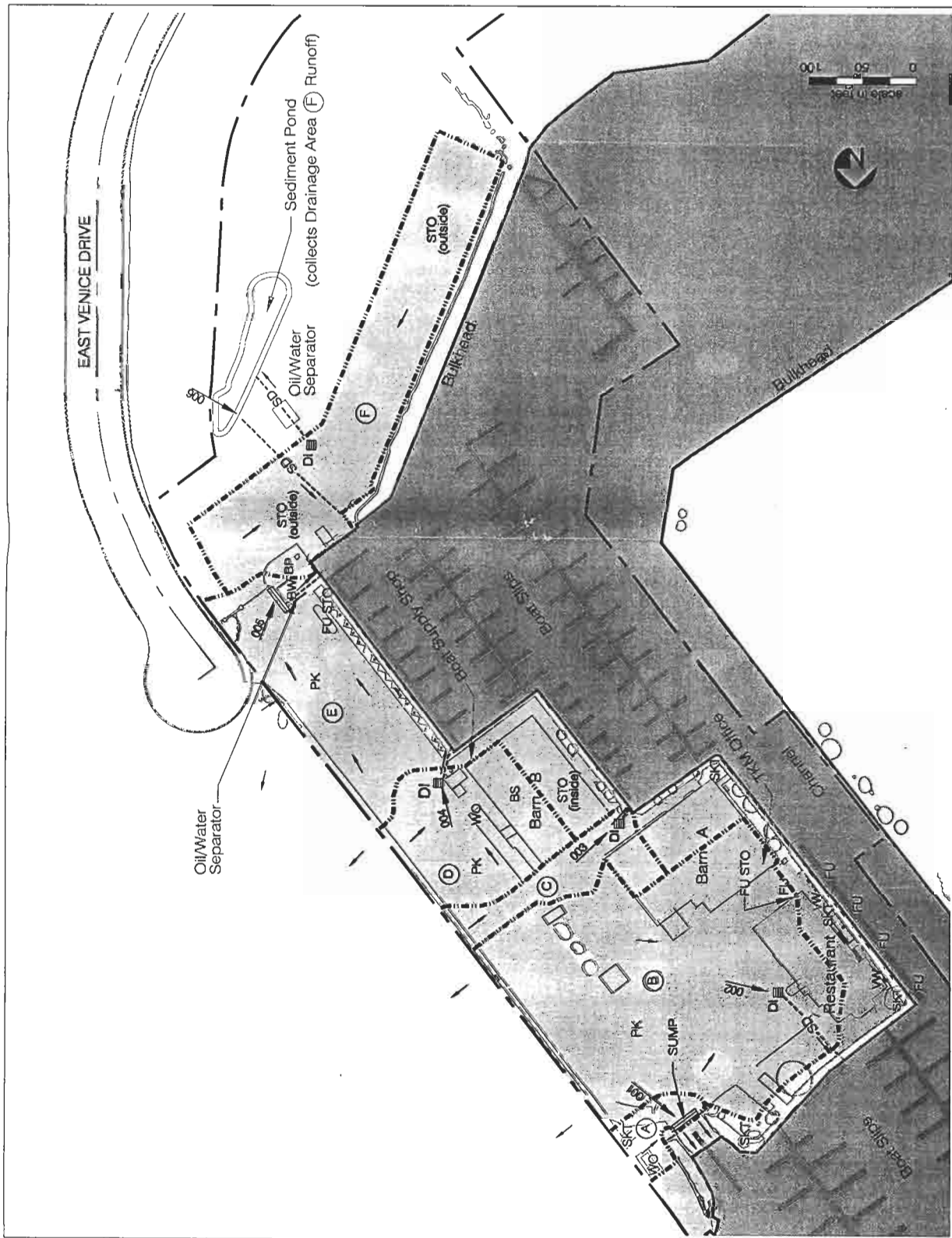
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FIGURE

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APPENDIX A STORM WATER MONITORING FORMS

SECTION 1 - GENERAL

A. BACKGROUND

Section 402(p) of the Clean Water Act requires that the United States Environmental Protection Agency establish a phased program to address storm water discharges from industrial activities. The final federal storm water regulations were promulgated on November, 16, 1990 specifically included storm water discharges associated with industrial activities at facilities described under Standard Industrial Classification (SIC) code 4493: Marinas.

In portions of the Lake Tahoe watershed located within El Dorado and Placer Counties, the federal storm water regulations applicable to marinas are being implemented through a general permit adopted and enforced by the California Regional Water Quality Control Boards – Lahontan Region (Regional Board). General National Pollutant Discharge Elimination System (NPDES) Permit No. CAG616003 for discharges of Storm Runoff Associated with Industrial Activities and Maintenance Dredging at Marinas in the Lake Tahoe Hydrologic Unit El Dorado and Placer Counties (General Permit) was adopted by the Regional Board through Board Order No. 6-00-36 on May 10, 2000 (copy in Appendix B).

The General Permit supercedes the Statewide NPDES Industrial General Permit, which was adopted in 1997 and rescinds the individual waste discharge requirements for Tahoe Keys Marina, which were adopted through Board Order 6-89-146 on June 8, 1989.

B. REGULATED ACTIVITIES

The Tahoe Key Marina (TKM) facilities covered by the General Permit include channel, inner harbor and lagoons, boat storage buildings, outside boat storage racks, moorings, waste oil storage tanks, above ground and underground storage tanks, fuel docks, retail and boat supply shops, and parking lots. Potential pollutant sources include storm water runoff, products of erosion, construction and waste material from maintenance activities, petroleum, paint, paint solvents, vessel sewage, bilge water, and pollutants associated with maintenance dredging.

The General Permit regulates pollutants in storm water discharges from marinas within the Lake Tahoe watershed associated with the following industrial activities:

- Fueling,
- Boat and vehicle maintenance,
- Boat and vehicle washing, and

- Maintenance dredging

C. COMPLIANCE DATES

The General Permit requires that TKM accomplish the following:

Table 1-1 General Permit Compliance Dates	
Task	Due Date
Submit a Notice of Intent to comply with the General Permit	By May 26, 2000
Submit to the Regional Board a Monitoring Program and Reporting Program	By June 15, 2000
Install, maintain and make available to the public a sewage pumpout facility	By June 15, 2000
Implement a Monitoring Program and Reporting Program	By July 4, 2000
Implement a Storm Water Pollution Prevention Plan (SWPPP)	By October 15, 2000
Submit to the Regional Board a SWPPP, including a schedule for implementation of specified best management practices and a vessel waste pumpout facility.	By November 15, 2000
Submit Annual Reports to the Regional Board	By November 15 of each year

SECTION 2 - NARRATIVE DESCRIPTION OF SITE

A. GENERAL

The TKM is located on an approximately 8 acre site located at 2435 Venice Drive East, Suite 100, South Lake Tahoe, California. The facilities include boat fueling facilities, a boat maintenance shop, boat washing facilities, a boat paint pad and an associated parking lot.

B. SURFACE WATERS, WELLS, AND SPRINGS

The TKM facilities (see Figure 1 - Topographic Map and Figure 2 - Site Map) are located adjacent to Lake Tahoe, just westerly of the Upper Truckee River inlet.

The United States Geological Survey (USGS) Emerald Bay, California - San Diego County 7.5' Quadrangle (see Figure 1) does not show any wells or springs within 1/4 mile of the bus maintenance facilities.

C. INDUSTRIAL ACTIVITIES

Regulated industrial activities performed on the site are described below:

1. Boat Maintenance

Boat maintenance activities include oil changes, engine servicing, fueling, boat painting, and boat storage, and associated motor vehicle parking areas.

2. Equipment Cleaning

Equipment cleaning activities consist of parts cleaning using solvents and boat washing using a biodegradable soap.

G. STORM WATER CONVEYANCE AND DISCHARGE STRUCTURES

The drainage areas and discharge points are shown on Figure 3 and described below:

Table 2-1

Storm Water Discharge Points and Drainage Areas

Discharge Point	Drainage Area	
	Designation	Regulated Activities
001 (sump)	A	Waste Oil Storage
002 (drain inlet)	B	Indoor Boat Servicing and Vehicle Parking
003 (drain inlet)	C	Vehicle Parking
004 (drain inlet)	D	Boat Servicing, Waste Oil, Indoor Boat Storage, and Vehicle Parking
005 (drain inlet)	E	Fuel Storage, Boat Washing, and Vehicle Parking
006 (discharge from detention basin)	F	Boat Painting and Outdoor Boat Storage

Offsite storm drainage does not enter the TKM site.

H. POTENTIAL EROSION AREAS

There is little potential for soil erosion caused by industrial activities or storm water discharges associated with the industrial activities.

I. DUST AND PARTICULATE GENERATING ACTIVITIES

There are no industrial activities on-site that generate dust and particulates that could be deposited within areas exposed to storm water runoff.

J. AREAS OF POTENTIAL POLLUTANT CONTACT

Potential pollutant contact would be possible at the following areas:

- The fuel storage tanks, piping, or dispensers if there was a leak or spill

SECTION 3 - STORM WATER MANAGEMENT PRACTICES AND CONTROLS

Each of the potential pollutant sources and corresponding storm water best management practices and controls (Best Management Practices, BMPs) are listed in Table 3-1 by Drainage Area and are described below. All practices are existing, except as otherwise noted.

A. STRUCTURAL CONTROLS

1. Boat Maintenance Facilities

Consisting of building where minor maintenance occurs (Barn A) and a covered partially enclosed bay where major and minor maintenance occurs (Barn B).

2. Waste Oil Storage Sheds

Consisting of two covered and enclosed buildings where waste oil is stored in 55 gallon drums awaiting removal by a recycle contractor.

3. Boat Washing Facility

Consisting of an uncovered gravel pad and an underlying sand/oil separator which receives and treats wash water runoff prior to discharge to Lake Tahoe.

4. Boat Storage Facility

Consisting of a covered and enclosed building where some boats are stored indoors (Barn A).

B. NON-STRUCTURAL PRACTICES AND CONTROLS

1. Good Housekeeping Measures

- a. Periodic inspections to verify that maintenance facilities are clean and uncluttered.
- b. Daily cleaning of work areas. The concrete floor in the Vehicle Maintenance Shop, including the areas on the northerly end that are exposed to storm water, are to be dry or damp mopped, but not hosed down.

Material	Product Storage		Waste Location/Disposal	
	Location	Typical Quantity	Location and Method	Minimum Frequency
Parts Cleaner (Solvent)	Indoors	10 gal	Boat maintenance shop.	Removed by recycle contractor monthly

4. Material Handling

All petroleum product spills are cleaned up immediately using absorbent materials.

5. Spill Prevention and Response Plan and Other Relevant Plans and Programs

All petroleum product spills are contained (if necessary) and cleaned up immediately using dry absorbent materials. Cleanup materials are maintained on-site and are readily available for use by TKM employees. Four spill kits are located along the docks. Each kit contains approximately 100 feet of oil absorbent boom and approximately 10 absorbent pads.

TKM's Spill Prevention Control and Countermeasures Plan and Business Plan (for hazardous waste management) are hereby incorporated by reference.

6. Storm Water Treatment Facilities

Storm water collected at Discharge Points 005 and 006 is treated in a two stage sand/oil separator. Storm water collected at the drainage inlets located at Discharge Points 001, 002, 003, and 004 is treated using absorbent pads to remove petroleum products.

7. Domestic Wastewater Disposal Facilities

TKM maintains two domestic wastewater pump-out facilities that are available for use by boat operators. Domestic wastewater collected at the facilities is conveyed to the sanitary sewer system.

8. Sediment and Erosion Prevention Measures

Essentially the entire site is covered with structures and pavement with only minor landscaping. There is little potential for erosion.

10 Storm Water Management Practices

TKM treats storm water collected at Discharge Points 005 and 006 using a sand/oil separator. Sediment and floatables are removed periodically to maintain treatment effectiveness.

11 Employee Training and Public Education

- a) TKM conducts annual training for the marina personnel responsible for SWPPP implementation, storm water monitoring, or otherwise managing storm water prior to October 1 of each year. The purpose of the training will be to discuss the actions required to implement all BMPs identified in the SWPPP (including routine inspection requirements, spill containment and response, good housekeeping, material management, and storm water runoff monitoring requirements). Records will be maintained of all training sessions held;
- b) TKM distributes literature and oil absorbent pads to boat owners to prevent bilge water containing petroleum pollutants from being discharged to Lake Tahoe;
- c) TKM notifies boat operators of the availability of domestic wastewater pump-out facilities at the dock and in the TKM brochure.

12 Annual Comprehensive Compliance Evaluations / Inspections

TKM will perform a Comprehensive Site Compliance Evaluation each year (November 1 through October 31) and document the results in an Evaluation Report that will be submitted to the applicable Regional Water Board by each TKM with the Facility Annual Report and by SDCOE with the Group Evaluation Report. The Annual Comprehensive Site Compliance Evaluations will include:

- Review of all visual observation and inspection records, and sampling and analysis results;
- Visual inspection of all potential pollutant sources for evidence of discharges to the storm water drainage system;
- Review and evaluation of all existing BMPs to verify they are adequate, properly implemented and maintained, and whether any additional BMPs are necessary; and
- Preparation of an evaluation report that includes identification of personnel performing the evaluation, the evaluation date, any necessary SWPPP revisions and the schedule to implement same, any incidents of non-compliance and corrective steps taken by the TKM, and certification of compliance with the with the General Permit (or an explanation for non-compliance) by the TKM .

Table 3-1

Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices
General

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Entire Site (Drainage Areas A through F)	Overall Marina Site Operations	Spills and leaks during fueling, maintenance activities, parts cleaning, new and waste material storage, boat storage, domestic wastewater pumping and parking	Petroleum hydrocarbons (including oil, grease, and fuel), solvents, domestic wastewater	<u>Employee/Tenant Training.</u> 1. Annual review of SWPPP requirements and need for BMP implementation. 2. Good housekeeping procedures. 3. Inspection requirements 4. Proper fueling, spill response and spill cleanup procedures	Annual (prior to November 1)
				<u>Inspections.</u> Inspect of site to verify that: 1. There have been no spills and that there are no petroleum product, domestic wastewater, or waste material leaks. 2. BMPs are being implemented. 3. Maintenance facilities are clean and uncluttered. 4. Determine if facility or equipment maintenance is required.	Daily

Table 3-2

**Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices
Area Specific BMPs**

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Barns A and B (Drainage Areas A and D)	Maintenance of motorized watercraft	Spills and leaks during maintenance activities, parts cleaning, boat storage	Petroleum hydrocarbons (including oil, grease, and fuel), solvents,	<u>Overhead Coverage</u> . Perform maintenance activities, to the greatest extent possible, in covered areas	Continuous
				<u>Treatment</u> . Treat storm water runoff collected at drainage inlets using oil absorbent pads. Remove collected sediment and used pads as required to maintain treatment effectiveness.	Continuous
				<u>Good Housekeeping</u> . Routine cleaning of work areas. Use dry methods or damp mop to clean work area floors. Do not hose down.	Daily
				<u>Material Handling, Recycling and Storage</u> . Store new materials and products indoors until use.	Continuous
				<u>Waste Recycling and Disposal</u> . 1. Store used materials, including batteries, indoors or in covered areas until removed from the facility. 2. Recycle waste oil, oil filters, and solvents.	Continuous

Table 3-2

**Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices**

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Barns A and B (Drainage Areas A and D)	Maintenance of motorized watercraft	Spills and leaks during maintenance activities, parts cleaning, boat storage	Petroleum hydrocarbons (including oil, grease, and fuel), solvents	Spill Response. Maintain spill cleanup materials in each Barn. Take immediate corrective steps if leakage is detected.	Continuous
				Record Keeping/Internal Reporting. TKM management shall maintain records describing maintenance activities, monitoring, spills, and corrective actions.	Continuous

Table 3-2

**Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices**

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Fuel Storage Vault (Drainage Area B)	Fuel Storage	Spills and leaks during delivery to and storage at site	Petroleum hydrocarbons (including gasoline and diesel fuel)	<u>Secondary Containment Structure.</u> Concrete vault for containment of spills from 1,000 gallon diesel and 1,000 gallon premium unleaded gasoline steel tanks	Continuous
Fuel Storage Tank (Drainage Area E)	Fuel Storage	Spills and leaks during delivery to and storage at site	Petroleum hydrocarbons (including gasoline and diesel fuel)	<u>Secondary Containment Structure.</u> Double wall steel tank for containment of spills from 12,000 gallon unleaded gasoline steel tank	Continuous
Fuel Storage Facilities (both)	Fuel Storage	Spills and leaks during delivery to and storage at site	Petroleum hydrocarbons (including gasoline and diesel fuel)	<u>Record Keeping/Internal Reporting.</u> TKM management shall maintain records which demonstrate that the storage facilities are not leaking and that any spills have been properly cleaned up.	Continuous
Fuel Pipelines (Adjacent to bulkhead)	Fuel conveyance from tanks to dispensers	Spills and leaks during conveyance	Petroleum hydrocarbons (including gasoline and diesel fuel)	<u>Spill Response.</u> Maintain spill cleanup materials in pipeline vicinity. Take immediate corrective steps if leakage is detected.	Continuous

Table 3-2

**Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices**

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Waste Oil Storage Facilities (Drainage areas A and D)	Storage of waste oil and used oil filters	Spills during filling or pumping, or leaks during storage	Waste oil	<u>Secondary Containment</u> . Store waste oil and used oil filter on containment pallets or within double wall drums in covered structure until removed from site.	Continuous
				<u>Good Housekeeping</u> . Routine cleaning of facilities where waste oil drums are stored.	Weekly
				<u>Spill Response</u> . Maintain spill cleanup materials in vicinity of each storage facility. Take immediate corrective steps if leakage is detected.	Continuous
Boat Washing Facility (Drainage Area E)	Boat Washing	Wash water	Total suspended solids, petroleum hydrocarbons (including oil, grease, and fuel), and nutrients	<u>Treatment</u> . Collect and treat runoff in an oil water separator before discharging to lake. Remove accumulated oil and sediment whenever required to oil water separator effectiveness.	Continuous
				<u>Good Housekeeping</u> . Routine removal of any deposits on pavement adjacent to facility.	Weekly

Table 3-2

Tahoe Keys Marina
Potential Pollution Sources and Corresponding Best Management Practices

Area	Activity	Potential Pollutant Source	Potential Pollutant(s)	Best Management Practices	
				Practice (existing, except where noted)	Frequency
Vehicle Parking (Drainage Areas B, C, D, and E)	Parking	Leaks during parking	Total suspended solids, petroleum hydrocarbons (including oil, grease, and fuel)	<u>Treatment</u> . Treat storm water runoff collected at drainage inlets using oil absorbent pads. Remove collected sediment and used pads as required to maintain treatment effectiveness.	Continuous
				<u>Good Housekeeping</u> . Sweep parking area. Cleanup substantial oil deposits with absorbent materials.	Quarterly
				<u>Spill Response</u> . Cleanup substantial oil deposits with absorbent materials.	Weekly
Domestic waste pump out facilities (adjacent to bulkhead west of restaurant building)	Domestic wastewater disposal	Raw sewage	Bacteria, nutrients, BOD, and suspended solids	<u>Waste Handling</u> . Provide and maintain facilities for use by boat operators to properly dispose of domestic wastewater stored in on-board storage tanks.	Continuous
				<u>Good Housekeeping</u> . Routine removal of any oil deposits on pavement.	Weekly

SECTION 5 - DESIGNATED STORM WATER POLLUTION PREVENTION PERSONNEL

This Storm Water Pollution Prevention Plan was prepared by Stephen D. Herrera with Parsons Engineering Science. The following TKM employees are responsible for implementing and revising the Storm Water Pollution Prevention Plan:

Name	Title	Responsibilities*
Ray Carreau	Manager/Owner	Overall implementation, and signing reports
Richard Horton	Owner	Signing reports
Steve Buttling	Site Superintendent	Visual observations. Collection of storm water runoff samples. Collection of maintenance dredging samples
Max Shan	Private Consultant	Collection of 4 th of July and Labor Day surface water samples

the following is **present** and, if present, the **suspected source**: discolorations, stains, odors, floating materials, and other abnormal conditions.

If unauthorized non-storm water discharges are observed, then the Monthly Non-Storm Water Discharge Visual Observation Record shall also indicate the action taken to identify the source and eliminate the discharge.

C. STORM WATER DISCHARGE VISUAL OBSERVATIONS: FOUR OBSERVATIONS DURING MARINA OPERATING SEASON

TKM must perform observations of storm water discharges:

- Four storm events during each marina operating season;
- During scheduled marina operating hours;
- At each discharge point shown in Figure 3 (Discharge Points 001 through 006);
- During the first hour after the storm water discharge begins; and

However, storm water discharge observations are only required:

- During daylight hours and
- On days preceded by three working days of dry weather (with no wet weather on the intermediate non-working days).

Storm water discharge observations are not required during dangerous weather conditions.

The TKM observations shall be recorded on the Storm Water Visual Observation Record form in Appendix A. The observation record shall indicate if any of the following is **present** and, if present, the **suspected source**: floating and suspended materials, oil and grease, discolorations, turbidity, odor, and other abnormal conditions.

The TKM observations shall be recorded on the Monthly Non-Storm Water Visual Observation Record form in Appendix A. The observation record shall indicate if any of the following is **present** and, if present, the **suspected source**: stains, discolorations, odors, floating materials, engine coolant discharges, and other abnormal conditions.

If pollutants are noted, the source, and actions taken to reduce or prevent pollutants in the storm water discharge shall also be noted on the Storm Water Discharge Visual Observation Record form.

Table 6-1

Storm Water Sample Collection Locations

Discharge Point	Drainage Area	
	Designation	Description
002 (drain inlet)	B	Vehicle Parking
004 (drain inlet)	D	Boat Servicing, Waste Oil, Vehicle Parking
005 (pavement runoff)	E	Fuel Storage, Vehicle Parking
006 (discharge from detention basin)	F	Boat Storage

Constituents to be Monitored/Analytical Method

Constituents

Constituents to be analyzed in storm water samples are listed on Table 6-2.

Analytical Method

The analytical methods used to determine the presence of the above listed constituents shall be the methods specified in Table 6-2. Each of the designated analytical methods is in accordance with the U.S. EPA approved test procedures listed in 40 CFR 136.

Table 6-2

Constituents to be Monitored in Storm Water Samples

Minimum Constituents	Analytical Method	Laboratory Reporting Limit	Number and Type of Container	Sample Volume	Sample Preservation	Maximum Hold Time Prior to Analysis
1						
General						
a. pH	EPA 150.1	N.A.	1 Polyethylene	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis.	As Soon as Possible
b. Turbidity	EPA 180.1	0.1 turbidity units				48 hours
c. Specific Conductance (EC)	EPA 120.1	1 mmho/cm				28 days
2						
Total Nitrogen	SM4500-NO3E and SM4500-NH3	0.10 mg/l	1 Polyethylene	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis. Sample container will already contain small amount of sulfuric acid preservative. *	28 days
3						
Total Phosphorus	SM4500-PE	0.008 mg/l	One Amber Glass Bottle	250 ml	Place sample in cooler with blue ice and ship overnight to lab for analysis. Sample container will already contain small amount of hydrochloric acid preservative. *	28 days

Notes:

- * The sampler shall be careful to prevent bodily contact with acid preservative in sample container.
- NA Not applicable

Sample Volumes, Containers, Preservation, Delivery to Laboratory and Labeling

All sampling and sample preservation shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association). Samples shall be collected and delivered to the laboratory for analysis within 24 hours of sample collection.

The following grab samples shall be collected at each designated Discharge Point. Sample container, volume, preservation, and maximum hold time requirements are summarized in Table 6-2. All samples shall be properly preserved and delivered to the laboratory for analysis. Maximum hold times shall be observed by TKM and the laboratory.

1. Collect one 250 ml storm water sample in a polyethylene container to determine:

- a) pH
- b) Turbidity
- c) Specific Conductance (EC)

Sample Preservation: Cool to 4 degrees C.

2. Collect one 250 ml storm water sample in a polyethylene or equivalent container to determine Total Nitrogen

Sample Preservation: Cool to 4 degrees C and ship overnight to the laboratory (sulfuric acid shall be added to the container by the lab prior to sample collection).

3. Collect one 250 ml storm water sample in an amber bottle to determine Total Phosphorus.

Sample Preservation: Cool to 4 degrees C and ship overnight to the laboratory. (hydrochloric acid shall be added to the sample container by the lab prior to sample collection).

All samples shall be labeled identifying the date and time of sample collection, Discharge Point (sample location), type of analysis required, and initials of sample collector.

Chain of Custody

TKM employees shall complete and sign the Chain of Custody form provided by the analytical laboratory performing the analyses. The purpose of the form is to document sample collection, handling, and release of the samples to the laboratory.

Sample Analyses

- All analyses must be conducted according to the analytical methods shown in Table 6-1.
- All monitoring instruments and equipment shall be calibrated and maintained in accordance with the manufacturer's specifications to ensure accurate measurements.
- All analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services.

E. SURFACE WATER SAMPLING: ONE SAMPLE EACH ON JULY FOURTH AND LABOR DAY

TKM must collect surface samples of the lake each year on July Fourth and Labor Day. On behalf of TKM, the samples are currently collected and transported to the analytical laboratory by Max Shan.

Sample Location and Method

One grab sample shall be collected at the end of the fuel dock (away from the fuel pump, but within the boat traffic area).

Constituents to be Monitored

Each sample shall be analyzed for :

- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- Fuel Oxygenates (including methyl tertiary butyl ether (MTBE), tert-butyl alcohol (TBA), tertiary amyl methyl ether (TAME), di-isopropyl ether (DIPE), and ethyl tert-butyl ether (ETBE))

Sample Volumes, Containers, Preservation, Delivery to Laboratory and Labeling

All sampling and sample preservation shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association). Samples shall be collected and delivered to the laboratory for analysis within 24 hours of sample collection.

Chain of Custody

The sampler shall complete and sign the Chain of Custody form provided by the analytical laboratory performing the analyses. The purpose of the form is to document sample collection, handling, and release of the samples to the laboratory.

Sample Analyses

- All analytical methods shall be in accordance with the U.S. EPA approved test procedures.
- All monitoring instruments and equipment shall be calibrated and maintained in accordance with the manufacturer's specifications to ensure accurate measurements.
- All analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services.

F. MAINTENANCE DREDGING SAMPLING AND OBSERVATIONS

- I) Prior to the start of dredging, TKM is required to
 - a) Collect background water samples from the area to be dredged and have the samples analyzed for the constituents shown in Table 6-3.

Table 6-3

Constituents to Be Determined in Samples Showing Background Water Quality

Constituent	Units	Reporting Limit (PQL)
Total Nitrogen (as N)	mg/l	0.1 mg/l
Phosphate (as P)	mg/l	0.008 mg/l
Total Iron	mg/l	0.01
Turbidity	NTU	0.1
Grease and Oil	mg/l	10

- b) Collect samples of sediment in the inner marina near the area to be dredged and have analyzed for:

Table 6-4

Constituents to Be Determined in Samples Showing Inner Marina Sediment Quality

Constituent	Units	Reporting Limit (PQL)
Total Petroleum Hydrocarbons (Gasoline)	mg/kg	0.5 mg/kg
Total Petroleum Hydrocarbons (Diesel)	mg/kg	1 mg/kg
Polycyclic Aromatic Hydrocarbons	mg/kg	0.2
Benzene, Toluene, E-benzene, and Xylenes	mg/kg	0.01

- 2 During dredging activities, TKM is required to perform continual visual observations of the containment structures and dredging equipment to ensure total containment of disturbed sediments and the absence of illegal discharges

If turbidity plumes are detected outside of the containment structures and/or petroleum sheens are detected outside protective oil barriers, the observations shall describe the immediate actions that were taken to correct the problem.

- 3 Prior to the removal of any in-lake containment structure, TKM must collect a composite water sample within the containment structure consisting of individual grab samples collected from three (3) locations within the containment area. The samples shall be analyzed for the constituents listed in Table 6-3.

The containment structure shall not remove any containment structure until TKM has received approval from the Regional Board Executive Officer based on the water sampling results.

- 4 The results from all required water and soil analyses shall be submitted to the Regional Board within thirty (30) days after the containment structure is removed.

G. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROGRAM

TKM employees are required to implement a QA/QC Program to assure:

1. All elements of the Monitoring Program are conducted; and

2. All monitoring is conducted by trained personnel.

The QA/QC Program shall consist of the following procedures:

1. Storm Water Monitoring Program Checklist

TKM employees shall use the Monitoring Program Checklist form and other forms in Appendix A to document all required elements of the Monitoring Program are completed. The forms can also be used to document reasons for TKM inability to perform required monitoring or reasons for any other noncompliance with monitoring requirements.

2. Annual Program Evaluation

The Annual Comprehensive Site Compliance Evaluation shall include:

- a. An evaluation of the effectiveness of the monitoring program in achieving the Monitoring Program Objectives (see Section 6.A. Monitoring Program Objectives).
- b. Discussions with TKM personnel regarding proper monitoring methods.

H. RECORDS

All storm water monitoring records and copies of all reports required by the General Permit shall be retained for a period of at least five (5) years from the date of the sample, observation, measurement, or report. The records shall include:

1. TKM Records
 - The individual(s) who performed the inspections, sampling, visual observations, and/or measurements (see forms in Appendix A);
 - Annual Comprehensive Site Compliance Evaluation results;
 - Storm water and non-storm water visual observation records, including the date, place, and time of inspections, sampling, and visual observations (see forms in Appendix A); and
 - The Storm Water Monitoring Program Checklist.
2. Laboratory Records
 - The date and results of the analysis;
 - The analytical techniques or methods used for the analysis.
 - Copies of chain of custody forms.

SECTION 7 - SIGNATURES

A. PREPARER

This Storm Water Pollution Prevention Plan was developed and prepared by Stephen D. Herrera with Parsons Engineering Science, 2233 Watt Avenue, Suite 330, Sacramento, California 95825. Mr. Herrera's signature is on the title page.

B. DULY AUTHORIZED REPRESENTATIVE / CERTIFICATION

Duly Authorized Representative

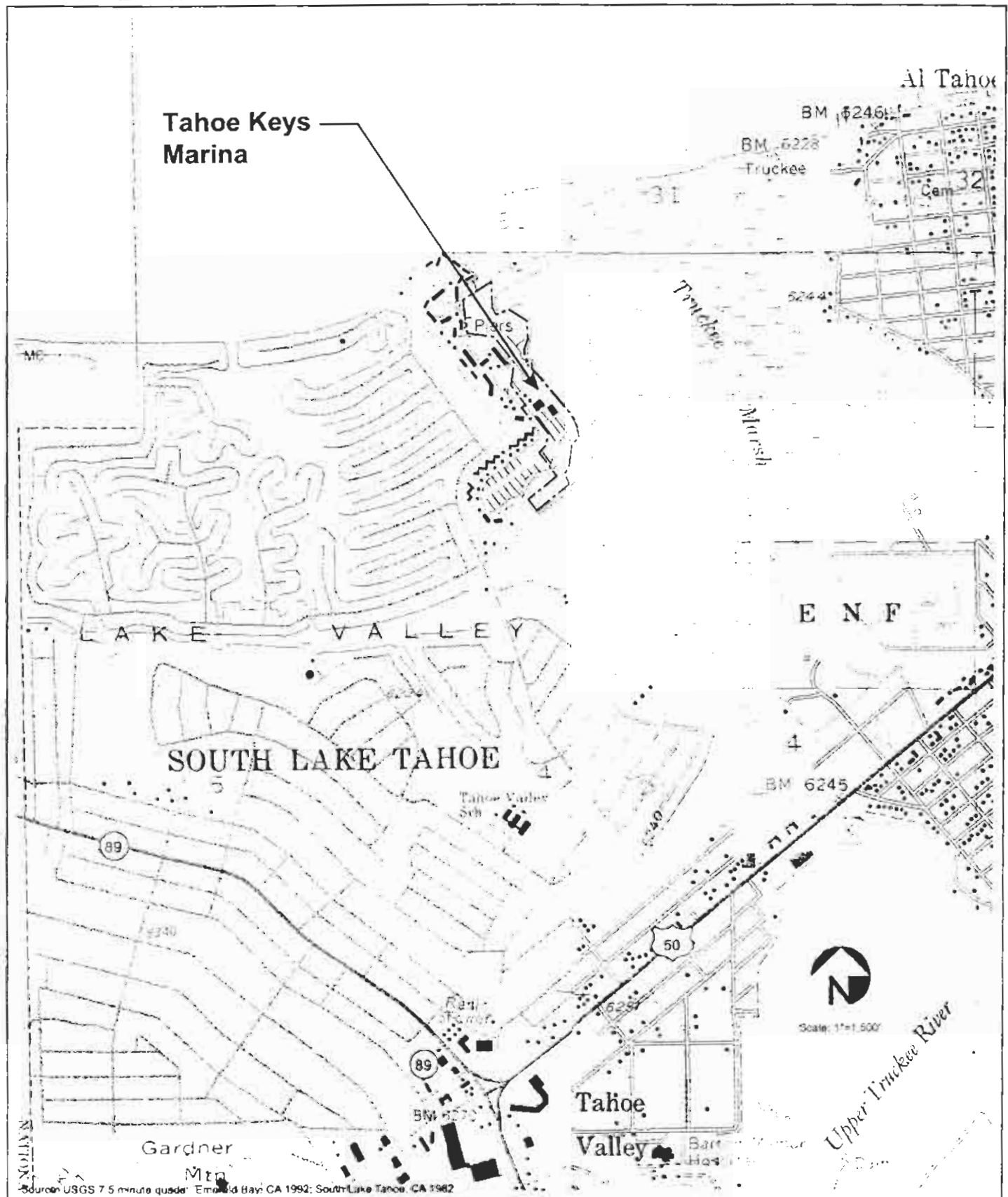
The General Permit requires that all reports, certifications, and other information required by the General Permit or requested by the Regional Water Board, State Water Board, U.S. Environmental Protection Agency, or local storm water management agency be signed by either a principal executive officer or ranking elected official with the TKM, or a duly authorized representative.

The duly authorized representative must be an individual having responsibility for the overall operation of the TKM's school bus maintenance facility (e.g. the position of manager, operator, or superintendent, or the position having overall responsibility for environmental matters).

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Date: _____ By: _____
Manager



Tahoe Keys Marina
Master Plan

REGIONAL LOCATION MAP

PARSONS
HARLAND BARTHOLOMEW
& ASSOCIATES, INC.

Figure 1

**TAHOE KEYS
MARINA**

**SITE MAP
STORM WATER
POLLUTION
PREVENTION PLAN**

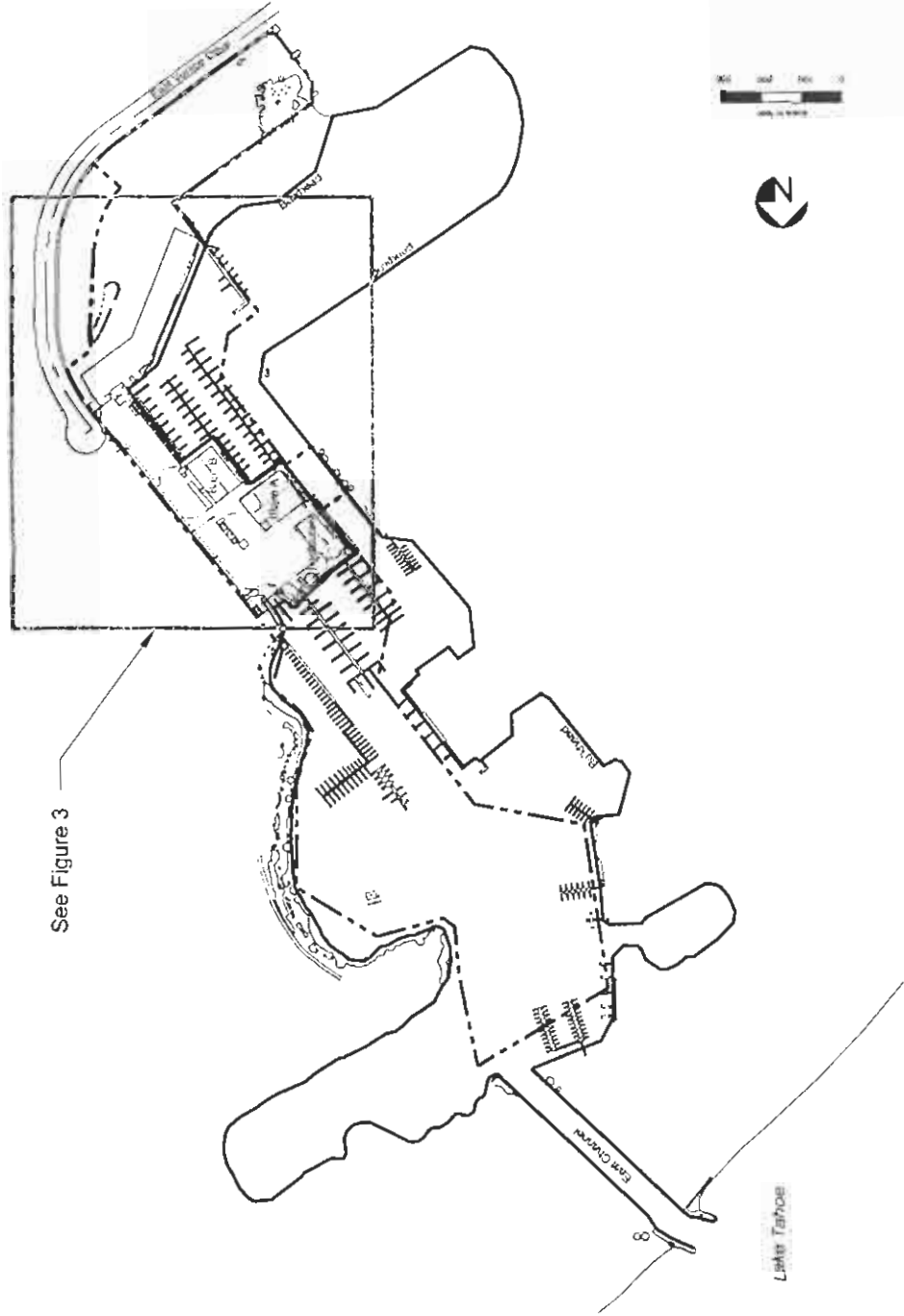
LEGEND
 - - - - - Property Line
 ——— Bulkhead

**PARSONS
ENGINEERING
SCIENCE, INC.**

SCALE: 1000'
 DATE: 10/12/2002
 CHECKED BY: ST
 W.O. 731126.60105

FIGURE

2

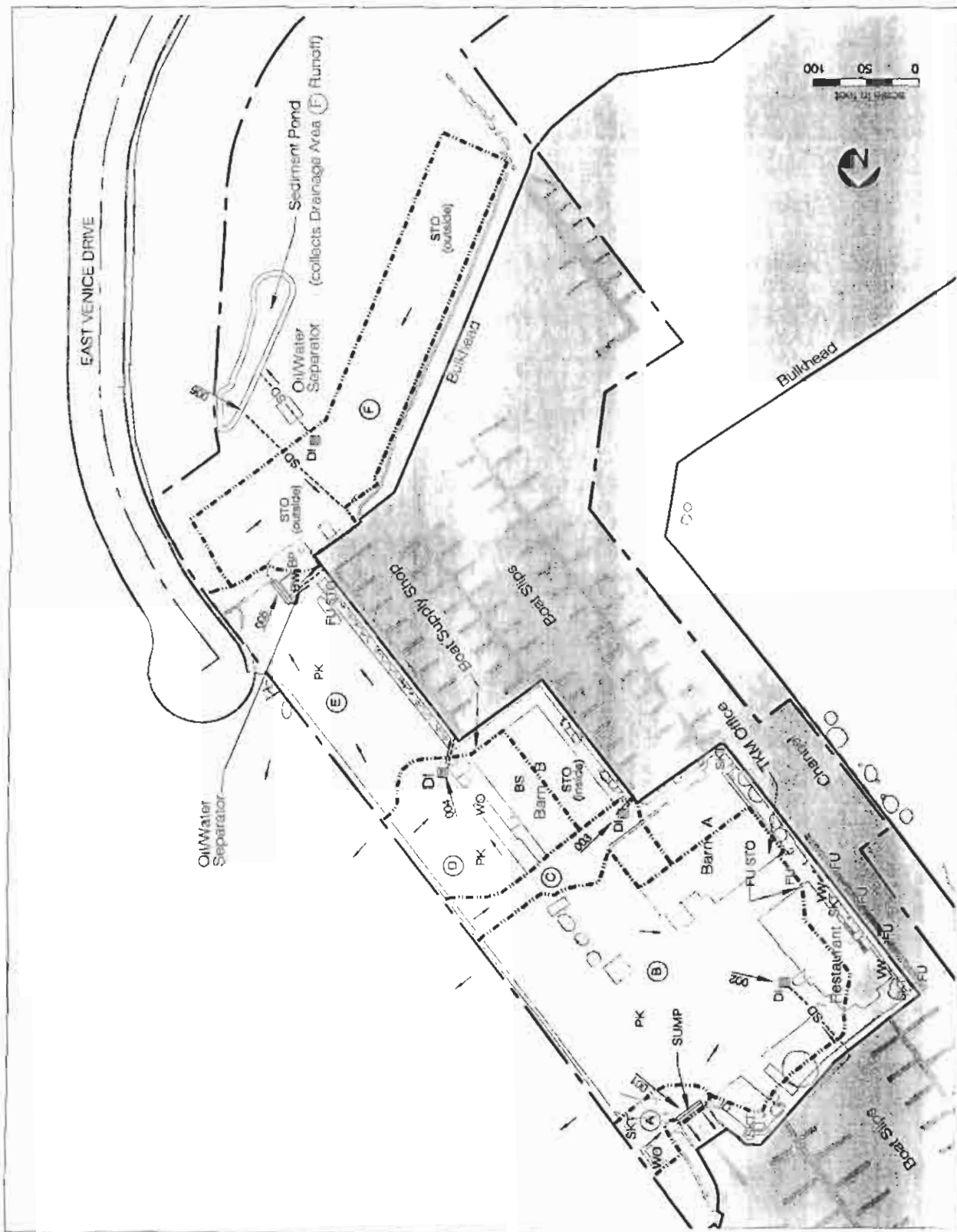


**STORM WATER
POLLUTION
PREVENTION PLAN
FACILITY MAP**

[illegible]

SCALE AS SHOWN
DATE: 4/24/2000
CHECKED BY: SM
Q TITRATION

3



APPENDIX A
STORM WATER MONITORING FORMS

TAHOE KEYS MARINA
STORM WATER DISCHARGE VISUAL OBSERVATION RECORD
(Four Events Per Operating Season)

Inspection Date: _____ Time Storm Water Discharge Began: _____

Time of Observation: _____ (must be within 1 hour after the discharge began)

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: 001

Were Any of the Following Observed?	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Discharge Point: 002

Were Any of the Following Observed?:	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Signed: _____

Inspector

TAHOE KEYS MARINA
STORM WATER DISCHARGE VISUAL OBSERVATION RECORD
(Four Events Per Operating Season)

Inspection Date: _____ Time Storm Water Discharge Began: _____

Time of Observation: _____ (must be within 1 hour after the discharge began)

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: 003

Were Any of the Following Observed?	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Discharge Point: 004

Were Any of the Following Observed?:	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Signed: _____

Inspector

TAHOE KEYS MARINA
STORM WATER DISCHARGE VISUAL OBSERVATION RECORD
(Four Events Per Operating Season)

Inspection Date: _____ Time Storm Water Discharge Began: _____

Time of Observation: _____ (must be within 1 hour after the discharge began)

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: 005

Were Any of the Following Observed?	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Discharge Point: 006

Were Any of the Following Observed?:	Yes	No	If Yes, describe the source and action taken to reduce or prevent pollutants in storm water discharges:
Discolorations			
Stains			
Odors			
Floating Materials			
Other Abnormal Conditions			

Signed: _____

Inspector

TAHOE KEYS MARINA
MONTHLY NON-STORM WATER DISCHARGE VISUAL OBSERVATION RECORD

Date: _____ Time: _____

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: 003

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

Discharge Point: 004

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

* Describe response taken to identify and eliminate the source of an unauthorized non-storm water discharge or prevent pollutant contact with authorized non-storm water discharge (e.g. landscape runoff)

Comments: _____

Signed: _____

Inspector

TAHOE KEYS MARINA
MONTHLY NON-STORM WATER DISCHARGE VISUAL OBSERVATION RECORD

Date: _____ Time: _____

Inspector(s): _____

Complete for each Discharge Point Identified in the TKM SWPPP (use additional forms if necessary)

Discharge Point: 005

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

Discharge Point: 006

Were Any of the Following Observed?	Yes	No	If Yes, describe the response taken *:
Floating and Suspended Materials			
Oil and Grease			
Discolorations			
Turbidity (muddy water)			
Odors			

* Describe response taken to identify and eliminate the source of an unauthorized non-storm water discharge or prevent pollutant contact with authorized non-storm water discharge (e.g. landscape runoff)

Comments: _____

Signed: _____

Inspector